

Work Order ID 143838

Wednesday, March 23, 2016 2:37:06 PM

143838

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Item ID: D4025-5 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Fuel Quantity Sender
 Start Date: 3/28/2016 Start Qty: 4.00 ***4*** Cust Item ID:
 Required Date: 4/14/2016 Req'd Qty: 4.00 ***4*** Customer:
 Reference:

Approvals: Process Plan: M Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D4025	B

100	0.00								DAS 13 9-89
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100

Purchasing

Purchasing

Memo

Issue P/O: 31824
 Purchase part as per Dwg D4025
 Part #: 224-260
 Possible Supplier: Forsters Intruments
 Material release note required

110	0.00								4x 8016-05-6
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110

Packaging

Packaging

Memo

***HOLD IN VERTICAL POSITION AND MEASURE RESISTANCE
 READING FOR LOWER LIMIT. ROTATE 180 DEGREES AND MEASURE
 RESISTANCE FOR UPPER LIMIT AS PER DWG***

REMOVE TRANSPORT PIN

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Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC6- Inspect dimensions to drawing	0.00							DAS 38 9-89
120									
QC	Memo	0.00							
Quality Control	***REMOVE TRANSPORT PIN***								MAY 06 2016
130	Identify as per dwg & Stock Location: <u>SK240</u>	0.00							DAS 6 9-89
130									
Packaging	Memo	0.00							MAY 09 2016
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.01							MAY 10 2016
Quality Control									

MCS MAY 10 2016

Picklist Print

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Work Order ID: 143838

143838

Parent Item: D4025-5

D4025-5

Parent Item Name: Fuel Quantity Sender

Start Date: 3/28/2016

Required Date: 4/14/2016

Start Qty: 4.00

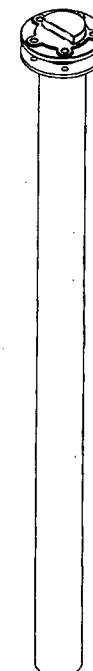
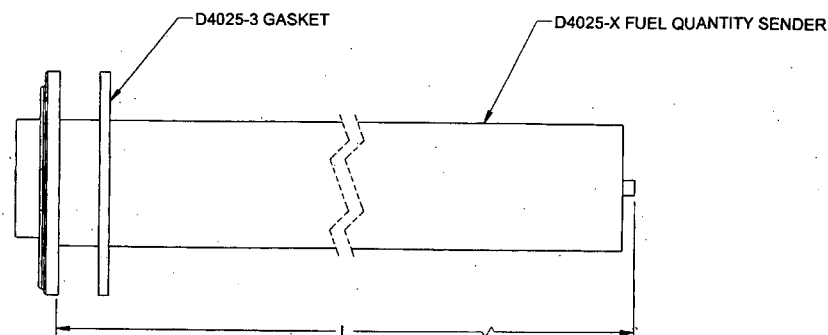
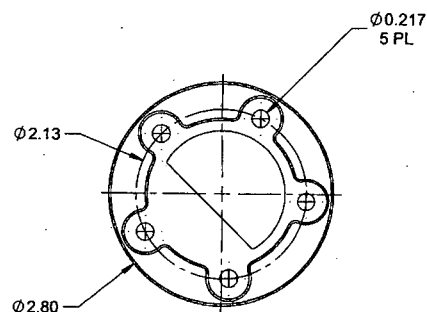
Required Qty: 4.00

Comments: IPP REV:A 11.11.22 NEW ISSUE DD VERF;EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
224-260 *224-260* Fuel Sender 224-260-SP		Purchased	No			110	Each	0.0000	1	4			
									**	4x	SP/6-05-6		

DART AEROSPACE PART NUMBER	JOHN CAMERON AVIATION PART NUMBER
D4025-1	VDO-M47-JCA
D4025-3	N/A
D4025-5	N/A

SPECIFICATION CONTROL DRAWING



DART PART NUMBER	DESCRIPTION	MANUFACTURER	MANUFACTURER PART NUMBER	POSSIBLE SUPPLIER	SUPPLIER PART NUMBER	LENGTH "L"	LOWER RESISTANCE LIMIT	UPPER RESISTANCE LIMIT	MATERIAL
D4025-1	FUEL QUANTITY SENDER	VDO SIEMENS	224-011-000-650	FORSTER INSTRUMENTS	224-265	25.59	82.2 ± 2.5 OHMS	2.5 ± 1.5 OHMS	N/A
D4025-3	GASKET	VDO SIEMENS	N/A	FORSTER INSTRUMENTS	226-053	N/A	N/A	N/A	RUBBER
D4025-5	FUEL QUANTITY SENDER	VDO SIEMENS	224-011-000-600	FORSTER INSTRUMENTS	224-260	23.62	85.3 ± 2.5 OHMS	2.5 ± 1.5 OHMS	N/A

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4025-X" AND B/N USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: D4025-1 - 0.39 lbs
D4025-3 - 0.01 lbs
D4025-5 - 0.37 lbs
- 8) RECEIVING INSPECTION REQUIREMENTS:
 - a) REMOVE TRANSPORT PIN AND INSPECT FOR VISUAL DAMAGE
 - b) OVERALL CYLINDER LENGTH - SEE TABLE
 - c) HOLD IN VERTICAL POSITION AND MEASURE RESISTANCE READING FOR LOWER LIMIT
 - d) ROTATE 180° AND MEASURE RESISTANCE FOR UPPER LIMIT

WLO 143838

RELEASED
2011-11-16

B	ADDED -3, ADDED SUPPLIER PART NO.	BC	11.10.04
A	NEW ISSUE	HS	10.02.05
REV.	DESCRIPTION	BY	DATE
DESIGN	BC		
DRAWN	BC		
CHECKED	BC		
MFG. APPR.	BC		
APPROVED	BC		
DE APPR.	BC		
DATE	11.10.04		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. D4025 REV. B TITLE FUEL SENDER SCALE NTS			
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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO31824**

Purchase Order Date 3/24/2016 1:50:14 PM
PO Print Date 3/24/2016

Page Number 1 of 2

Order From :

VC-FOR002

Ship To : DART AEROSPACE LTD

FORSTER INSTRUMENTS
7141 EDWARDS BLVD
MISSISSAUGA, ON L5S 1Z2
CANADA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA



Contact Name

Vendor Phone 905 795 0555

Ship To Contact

Ship To Phone

Ship Via: FedEx Overnight collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	224-260	Fuel Sender 224-260-SP	4/7/2016 Yes 4/7/2016		4.00 Each	\$90.50	\$362.00

AS PER DWG D4025 REV.B
B143838

NOTE: Part need to be tested for OHMS and please include report

Line Total: \$362.00

2	71401-45	PROCUREMENT QUALITY CLAUSES	4/7/2016 No 4/7/2016		1.00	\$0.00	\$0.00
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Procurement Quality Clauses
A005 right of entry
A016 personnel qualification
A026 certification of material conformance
A040 notification of quality escape
A041 quality management system
A043 retention of quality documents

Splb 0516

Note:

3/24/2016



FOOSTER INSTRUMENTS INC.

7141 EDWARDS BLVD., MISSISSAUGA, ONTARIO L5S 1Z2
D - U - N - S 25 - 530 - 6649
PHONE (905) 795-0555 • FAX (905) 795-0570
TOLL FREE 1-800-661-2994 • TOLL FREE FAX 1-800-632-9943
Toll Free within Canada only

Automotive and Industrial Instruments, Controls and Equipment

TERMS AND CONDITIONS

- net 30 days from date of invoice unless otherwise stated.
- pay from invoice, statements upon request only.
- all claims for shortage must be made within ten days after receipt of goods.
- all claims for damage must be made with the carrier.
- all goods F.O.B. our Mississauga warehouse.
- orders subject to a minimum invoice value of \$50.00.
- goods cannot be returned without our Return Authorization Number.
- returned goods must be freight prepaid.
- any warranty expressed or implied is that of the manufacturer as stated in their literature.
- title of goods does not pass until goods are paid for in full.
- E. & O. E.

A/C 10.82

Page: 1

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DART AEROSPACE LTD.
1270 ABERDEEN STREET

HAWKESBURY, ON K6A 1K7

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T
O
DART AEROSPACE LTD.
1270 ABERDEEN STREET

HAWKESBURY, ON K6A 1K7

CUSTOMER	CUST. ORDER NO.	G.S.T. NUMBER	PROV. TAX NO.	S/M TYPE	PACKED BY
DARAER P031824	R101272607			SLOA	
ORDER DATE	DATE SHIPPED	OUR SALES ORDER NO.	SHIPPING REF. NO.	SHIP VIA	CODE
12.04.16		S64585	01	FED EX	
LINE NO.	QUAN.	SHIP.	B/O	PART NUMBER	DESCRIPTION

FED EX ACCT# 15179324-0

FUEL SENDER # 224-260-SP &
224-265-SP NEED
TO BE CERTIFIED FOR ACCURACY
PER
CUSTOMER DRAWING.
PARTS NEED TO BE TESTED FOR
OHMS

FUEL SENDERS AS PER CUSTOMER
SPECS.
SHIP RUSH

- MAY-05-2016 or sooner

VIA

0 224-260-SP

FUEL SENDER, 23.6", 54 mm DIA.
Pick 4 Sets; P:0 C:4

PROD

LINE 1

2016-05-16

BJ



FORSTER INSTRUMENTS INC.



APRIL 12 2016

DART AEROSPACE LTD.
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7

CERTIFICATE OF COMPLIANCE

We hereby certify that this shipping lot of 4 VDO tube type senders 224-260-SP

On your purchase order P031824, our packing slip S64585 tested within the following ohms range.

EMPTY

85.3 +/- 2.5 ohms

FULL

2.5 +/- 1.5 ohms

Yours truly

JEFF HEAL

JH/rmj



FORSTER INSTRUMENTS INC.



APRIL 12 2016

DART AEROSPACE LTD.
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7

CERTIFICATE OF COMPLIANCE

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FULL

2.5 +/- 1.5 ohms

Yours truly,

JEFF HEAL

JH/rmj



FORSTER INSTRUMENTS INC.



Gauge & Sender In-Process/ Final Inspection Form

Sales Order #:	64585	Cust. Prod:	—	Start Date:	Fri, Apr 29 th /16
Forster Part #:	224.260-SP	Rev:	B		
Product Description:	Fuel Sender 23.6" 54mm	Qty:	4		

Harness In-Process	Tolerance	Within Spec.	Inspector's Initial:	Corrections Needed:
Continuity	.1/ .5 ohm			
Visual	N/A			
Pull Test	1 to 2 in/lbs.			

Gauge In-Process	Function	Within Spec.	Inspector's Initial:	Correction Needed:
Visual	N/A			

Final Inspection Gauge & Sender/Harness Assembled:				
	Tolerance	Within Spec.	Inspector's Initial:	Correction Needed:
Visual	N/A	✓	BJ	
Gauge/Speed Sw Settings	FS HZ @			
	SW. CL.-	✓		
Sender	Resistance	✓	BJ	
	Vpp			
	Freq:			
	Duty Cycle:			

	Function:	Within Spec:	Inspector's Initial:	Correction Needed:
Test Assembly on test bench with test harness.	✓	✓	BJ	

Comments:		
Full	Empty	Completion Date: Friday, Apr 29 th /16

1 st	1.8	85.3
2 nd	2.1	85.7
3 rd	2.1	85.7
4 th	1.8	85.2